



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site
Chicago, Illinois**

Weekly Field Progress Report

Report Date: August 10, 2012

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Submitted To: Integrys Business Support, LLC
Naren M. Prasad, PE

Activity Period: July 29, 2012 through August 4, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<i>Tasks</i>	<i>Environmental Activities</i>
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none">• Tecnica continued to backfill and compact Area L and Area M.• Tecnica completed the excavation of the remaining section of the large City of Chicago sewer within Area AA, and backfilled the area to the crown of the sewer. Once the area was backfilled to the crown of the sewer, Tecnica placed marking sand over the utility and then resumed backfill operations with CA-6.• Tecnica continued excavation in the Potential Removal Area (PRA) south of Area S. An additional area, approximately 50 ft. by 160 ft., was excavated within the PRA south of Area S between the southern extent of Area AA and Area U.• Tecnica completed the excavation within Area S to the design depth of 14 ft.• Tecnica initiated the excavation in the western extent of Area U.• Rusmar foam paired with a odor mitigation system along the western fence line was utilized daily to mitigate odors. Woodchips were also utilized as needed for additional odor control.• Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 10,717 tons of material was disposed of at the landfill bringing the overall project total to 242,968 tons.

General Description of Work Performed (cont.)	<ul style="list-style-type: none"> Utilized GPS to locate pertinent items and features. NRT conducted air monitoring activities for PM₁₀ through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.
Tasks	Environmental Activities
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> DustTraks collected particulate data each day and data has been downloaded for analysis. Seven post-excavation floor samples were collected. Three samples were collected in Area S (EB-139, EB-140 and EB-143), three samples were collected in the PRA south of Area S (EB-141, EB-142 and EB-145) and one sample was collected in Area U (EB-144). These samples will be analyzed for constituents listed in the RAWP for post-excavation. Four excavation wall samples were collected. One sample was taken in the southeastern extent of Area L (EW-34) and three others were collected in the PRA south of Area S (EW-35, EW-36 and EW-37). These samples will be analyzed for constituents listed in the RAWP for post-excavation. Four SUMMA canisters were deployed on 7/31/12 and sent to TestAmerica Laboratory for BTEX and naphthalene analysis. A duplicate (120731004) was performed at the western fence line location.
NRT Field Personnel	Ron Horan, PG and Kyle Bareither
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos	See attached sheets

Additional site activities:

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Ross del Rosario and Jim Hahnenberg of the EPA were on site on July 31, 2012 for a project update. Kyle Bareither (NRT) and Bal Barena (Burns & McDonnell) provided a site tour encompassing all site activities.

Work planned for the coming week, August 5, 2012 through August 11, 2012, is as follows:

- Provide oversight for the continuing excavation of the PRA south of Area S, Area U, Area T and Area TA.
- Take additional floor and wall samples in the PRA south of Area S and Area U as they become available.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post-amendment, and air sampling data from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

Field Photos:



Photo 1: backfilling operation in Area L.

Direction: Facing north.

Photo Date: 7/30/2012

Photo Taken By: KJB



Photo 2: Picture of the misting system located along the western fence line.

Direction: Facing southwest.

Photo Date: 7/30/2012

Photo Taken By: KJB



Photo 3: Active excavation and odor suppression within the PRA south of Area S.

Direction: Facing south.

Photo Date: 7/31/2012

Photo Taken By: KJB

Field Photos (continued):



Photo 4: Tecnica utilizing a hand compactor along the City of Chicago sewer.

Direction: Facing south.

Photo Date: 8/1/2012

Photo Taken By: KJB



Photo 5: Overview of completed Area S and western portion of the PRA south of Area S.

Direction: Facing southwest.

Photo Date: 8/2/2012

Photo Taken By: KJB



1431 Opus Place, Suite 400
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Week of: 7/29/12 to 8/04/12

**Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station**

Burns & McDonnell Personnel Onsite

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Mike Swieca

Integritys Peoples Gas Personnel Onsite

- Naren Prasad and Alberto Jara
- Ed Sherman

Subcontractors Onsite

- Tecnica Environmental Services
- Interra
- Allied Measurement Systems

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber) and Vito Pesoli (MT)

Miscellaneous Visitors

- Eloy Madrigal and Atul Kumar (Interra)
- Dave Huizenga (Allied Measurement System)
- Gary Klein (TES)
- Mario Lipira (Michels)
- Ross del Rosario and James Hahnenberg (USEPA)

Site Activities

BURNS & MCDONNELL

- Managed site activities with Tecnica Environmental Services, Allied Measurement Systems, and Interra;
- Escorted Interra and USEPA personnel during their site visits;
- Pumped and discharged 79,923 gallons of treated excavation water to MWRD;
- Issued truck tracking forms for all excavated soils from potential area south of S;
- Tracked 568 loads (10,716.93 tons) for Direct soils disposal at Laraway Landfill;
- Received 702 loads of CA-6 (15,831.46 tons) and 5 loads of CA-1 (111.91 tons) for backfill in areas L, M, N, and AA;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area with no significant PID readings from the site activities;

- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odors, and overall safety; and
- Operated and managed the odor control misting system on the west property line fence – the flavor of the week was “Botanical”. The system is very effective.

TECNICA ENVIRONMENTAL SERVICES

- Excavated and loaded out soils from potential area south of S;
- Controlled odors through foaming (17 drums used) and wood chips;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment and misting system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in area L;
- Performed routine maintenance on decon pad, tracking pad, and haul roads;
- Continued breaking concrete generated from potential area south of S; and
- Continued backfill both sides of Chicago Sanitary Sewer simultaneously as required by OUC and Chicago Water Department.

ALLIED MEASUREMENT SYSTEMS

- Performed scheduled monthly truck scale calibration and maintenance.

INTERRA

- Performed compaction tests on CA-6 during backfill of areas L, M, N, and AA.

Changes to Scope of Work

- Continued support for PGL pipe excavation is currently on hold. Regular meetings with Peoples Gas Operations are taking place to produce scope, procedures, and methodology on the future planned remediation around the gas pipes, scheduled for this fall.

Open/Outstanding Items

- Repair of the blown down portions of 12-foot high fence as a result of the violent storm that went through. Additionally, a bracing system for the fence is being proposed.

Anticipated Activities for the Week of August 5, 2012

- Continue backfilling areas L, M, N, and AA;
- Excavate and load out in areas south of S and U; and
- Continue to operate and maintain misting system.



Crawford Station Site:

Remediation

Date: July 30, 2012

Description: Looking up from potential dig area south of Area S. Tecnica continued to control odors through foaming and wood chips during excavation.



Crawford Station Site:

Remediation

Date: August 2, 2012

Description: Looking southeast from area AA, Tecnica at design depth of potential area south of S. Tecnica also cleaned the bottom of excavation for soil sample collection and for later backfill.



Crawford Station Site:

Remediation

Date: August 2, 2012

Description: View from south of Area R looking southwest, Tecnica backfilling and compacting both sides of Chicago Sanitary Sewer with CA-6 and a foot of FA 2 sand placed on top.



Crawford Station Site:

Remediation

Date: August 2, 2012

Description: One foot of FA 2 sand placed on top of Chicago Sanitary Sewer prior to placement of CA-6 backfill material.